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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/563,649	01/06/2006	Kevin R. Boyle	GB030108	1976

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NXP, B.V.

NXP INTELLECTUAL PROPERTY DEPARTMENT

M/S41-SJ

1109 MCKAY DRIVE

SAN JOSE, CA 95131

EXAMINER

DUONG, DIEU HIEN

ART UNIT

PAPER NUMBER

2821

NOTIFICATION DATE

DELIVERY MODE

11/19/2007

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

Office Action Summary

Application No.

10/563,649

Applicant(s)

BOYLE, KEVIN R.

Examiner

Dieu Hien T. Duong

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 January 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>01/06/06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of Application

1. This Office Action is a response to Applicants' communication filed on January 06, 2006. In virtue of this communication, claims 1-12 are currently presented in the instant application.

Priority

2. Acknowledgement is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d).

Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on January 06, 2006 in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is considered by the examiner.

If applicant is aware of any prior art or any other co-pending application not already of record, he/she is reminded of his/her duty under 37 CFR 1.97 to disclose the same.

Drawings

4. The drawing submitted on January 06, 2006 is accepted as part of the formal application.

Specification

5. The specification is accepted as part of the formal application.

Applicant cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

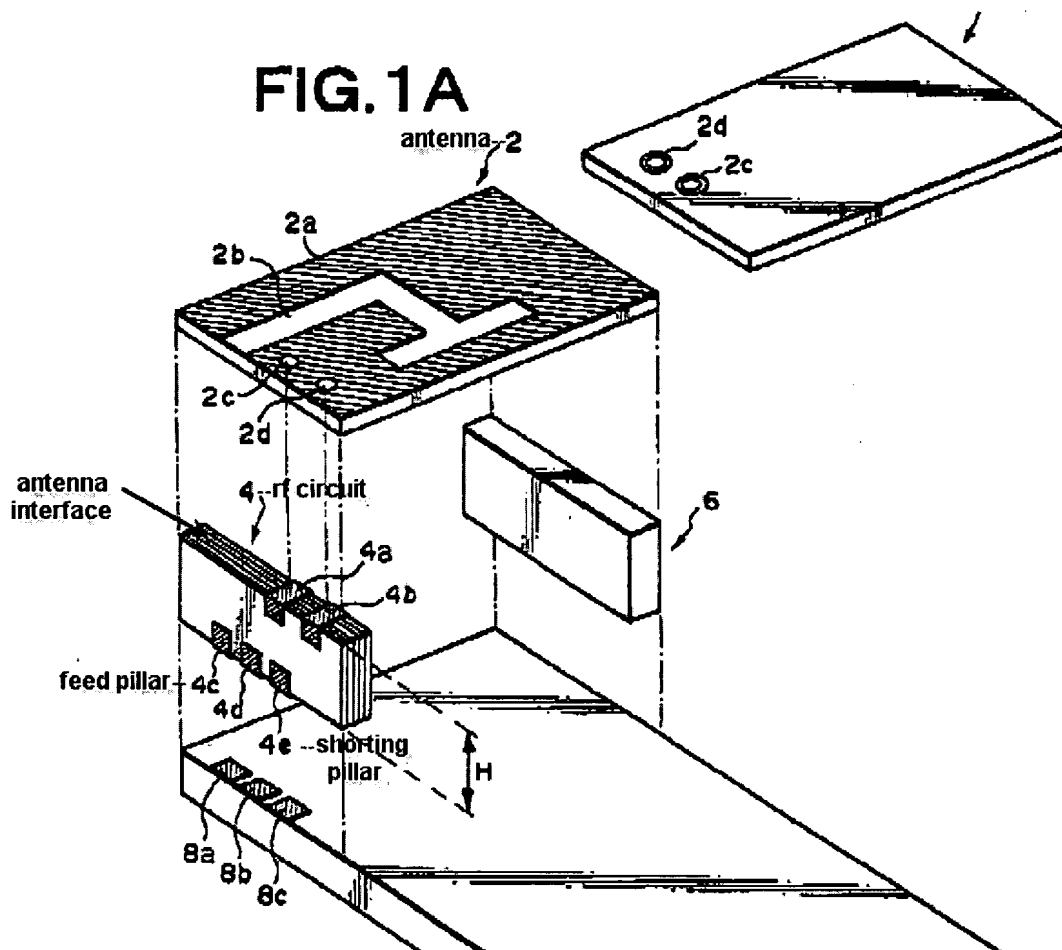
6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Fukuda et al. (US 6,911,942 B2), hereinafter "Fukuda".

Regarding claim 1, Fukuda discloses, in Figure 1A, a communications device comprising a rf circuit (4) and an antenna (2), wherein the rf circuit (4) includes coupling means for connecting the rf circuit to the antenna, the coupling means comprising an electrically conductive, self supporting member having at least one feed pillar (4c) and a shorting pillar (4e), the pillars (4c, 4e) being substantially permanently connected to respective contact points of the rf circuit, and an antenna interface forming a pressure connection with the antenna.



Regarding claim 2, as applied to claim 1, Fukuda discloses, in Figure 13, wherein the antenna comprises a dual band, dual feed antenna, characterised in that the self supporting member (4) has two feed pillars (4d, 4g) disposed one on either side of the shorting pillar (4e).

Regarding claim 3, as applied to claim 1, Fukuda discloses, in Figure 1A, characterised in that the self supporting member (4) is metallic.

Regarding claim 4, as applied to claim 1, Fukuda discloses, in Figure 1A, characterised in that the self supporting member (4) comprises a metallised insulating material.

Regarding claim 5, as applied to claim 1, Fukuda discloses, in Figures 4-5, characterised in that the self supporting member (4) comprises a metallised insulating material having at least one embedded capacitor (20b).

Regarding claim 6, as applied to claim 1, Fukuda discloses, in Figure 1A, characterised in that the antenna (2) being a PIFA.

Regarding claim 7, Fukuda disclose, in Figure 1A, a rf module comprising a supporting member (4) having rf circuit components thereon and coupling means for connecting an rf output to an antenna (2) , the coupling means comprising an electrically conductive, self supporting member having at least one feed pillar (4c) and a shorting pillar (4d), the pillars (4c, 4d) being substantially permanently connected to respective contact points of the rf circuit, and an antenna interface (face between the antenna 2 and rf circuit 4) for coupling to the antenna (2).

Claims 8-11 are rejected for similar subject matter to claims 2-5.

Regarding claim 12, Fukuda discloses, in Figure 1A, an antenna comprising a signal propagating and/or receiving element (2) having at least one rf feed termination (2c) and a shorting termination (2d), and an electrically conductive self supporting element (4) having at least one feed pillar (4c) and a shorting pillar (4e) to be substantially permanently connected to respective contact points of an rf circuit, and an antenna interface providing a pressure connection with the at least one rf feed termination and the shorting termination.

Inquiry

Application/Control Number:
10/563,649
Art Unit: 2821

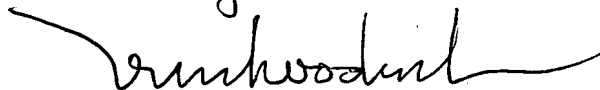
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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dieu Hien T. Duong whose telephone number is 571-272-8980. The examiner can normally be reached on Monday - Friday, from 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Owens can be reached on 571-272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Primary Examiner



TRINH V DINH

DD
Art Unit 2821
11/13/2007